AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and the listings of the claims.

Listing of Claims

1 - 5. (Cancelled)

6. (Currently amended) A parameter adjusting device comprising:

a plurality of processing devices forming parameter regulation devices configured to optimize parameters using a genetic algorithm;

a first part of said plurality of processing devices being assigned to search using a local search method;

a [[rest]] second part of said plurality of processing devices being assigned to processing of the genetic algorithm, said second part of said plurality of processing devices being respectively configured to individually and simultaneously execute the genetic algorithm and having migration devices which, for ~~each of~~ a predetermined-number of generation change processing of the genetic algorithm, send ~~a predetermined number of~~ individuals from a parent population of the individuals ~~using processing of~~ being processed by the genetic algorithm, to predetermined others of said plurality of processing devices and ~~receives~~ receive a predetermined number of individuals from predetermined other processing devices to the parent population; and

search processing control means configured for collecting interim results of searches from the processing devices assigned to the processing by the genetic algorithm and using search processing by the local search method,

wherein program optimizing parameters using any one of the genetic algorithm and the local search method is installed in one CPU of the plurality of processing devices or one CPU in a plurality of CPUs of a server.

7 - 9. (Cancelled)

10. (New) A parameter adjusting device according to claim 1, wherein each of said plurality of processing devices includes a determination device determining whether to satisfy search processing termination conditions, and when a termination is determined in a selected optional processing device, an entire processing of the devices is terminated.